

PRO
SERIES



PRICE LIST 2023

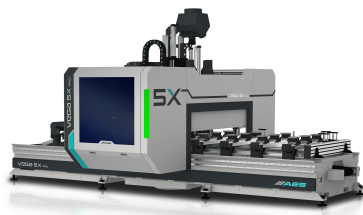
VEGA 5X PRO

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VEGA PRO 5X 1325 01-10-2-110-1325**93.000 €****1325**

- Working Dimensions 1300 x 2500 mm / Z Axis Stroke 485 mm
- Single Working Area
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 70m/min – Z: 20m/min
- 8,5/10 Kw | 11.40/13.40 HP HSK F 63 HITECO Spindle Motor(Liquid Cooling)
- B Axis Angle - $\pm 185^\circ$ / C Axis Angle - $\pm 320^\circ$
- HSD Boring Unit 10 Vertical Drill - 3x2 Horizontal - 1Saw Blade
- Rotary Tool Changer Unit (8 Tool Capacity)
- Alphacam Core + xPositional (One Post)
- 100m³/h Eurovac Vacuum Pump
- Vacuum Console 85mm – Single Piston (4 Pcs) / 2 Pcs with Lift – 2 Pcs without Lift
- Vacuum Blocs 140x115x85mm (8 Pcs) / 125x75x85mm (4 Pcs)
- Chiller Unit for Liquid Cooling
- Weight (Approx.) 3.500 kg

VEGA PRO 5X 1332 01-10-2-110-1332**101.500 €****1332**

- Working Dimensions 1300 x 3200 mm / Z Axis Stroke 485 mm
- Double Working Area
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 70m/min – Z: 20m/min
- 8,5/10 Kw | 11.40/13.40 HP HSK F 63 HITECO Spindle Motor(Liquid Cooling)
- B Axis Angle - $\pm 185^\circ$ / C Axis Angle - $\pm 320^\circ$
- HSD Boring Unit 10 Vertical Drill - 3x2 Horizontal - 1Saw Blade
- Rotary Tool Changer Unit (8 Tool Capacity)
- Alphacam Core + xPositional (One Post)
- 100m³/h Eurovac Vacuum Pump
- Vacuum Console 85mm – Single Piston (6 Pcs) / 4 Pcs with Lift – 2 Pcs without Lift
- Vacuum Blocs 140x115x85mm (12 Pcs) / 125x75x85mm (6 Pcs)
- Chiller Unit for Liquid Cooling
- Weight (Approx.) 4.300 kg

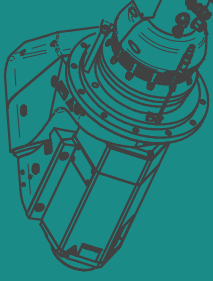
VEGA PRO 5X 1345 01-10-2-110-1345**124.500 €****1345**

- Working Dimensions 1300 x 4500 mm / Z Axis Stroke 485 mm
- Double Working Area
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 70m/min – Z: 20m/min
- 8,5/10 Kw | 11.40/13.40 HP HSK F 63 HITECO Spindle Motor(Liquid Cooling)
- B Axis Angle - $\pm 185^\circ$ / C Axis Angle - $\pm 320^\circ$
- HSD Boring Unit 10 Vertical Drill - 3x2 Horizontal - 1Saw Blade
- Rotary Tool Changer Unit (8 Tool Capacity)
- Alphacam Core + xPositional (One Post)
- 140m³/h Eurovac Vacuum Pump
- Vacuum Console 85mm – Single Piston (8 Pcs) / 4 Pcs with Lift – 4 Pcs without Lift
- Vacuum Blocs 140x115x85mm (16 Pcs) / 125x75x85mm (8 Pcs)
- Chiller Unit for Liquid Cooling
- Weight (Approx.) 5.600 kg

VEGA PRO 5X 1360 01-10-2-110-1360**137.000 €****1360**

- Working Dimensions 1300 x 6000 mm / Z Axis Stroke 4785 mm
- Double Working Area
- Automatic Lubrication System / Automatic Tool Offset
- Working Speeds X/Y: 70m/min – Z: 20m/min
- 8,5/10 Kw | 11.40/13.40 HP HSK F 63 HITECO Spindle Motor(Liquid Cooling)
- B Axis Angle - $\pm 185^\circ$ / C Axis Angle - $\pm 320^\circ$
- HSD Boring Unit 10 Vertical Drill - 3x2 Horizontal - 1Saw Blade
- Rotary Tool Changer Unit (8 Tool Capacity)
- Alphacam Core + xPositional (One Post)
- 140m³/h Eurovac Vacuum Pump
- Vacuum Console 85mm – Single Piston (10 Pcs) / 6 Pcs with Lift – 4 Pcs without Lift
- Vacuum Blocs 140x115x85mm (20 Pcs) / 125x75x85mm (10 Pcs)
- Chiller Unit for Liquid Cooling
- Weight (Approx.) 6.900 kg

SPINDLE MOTOR OPTIONS



OPC405001

HITECO 8,5/10 kW Spindle Motor(Liquid Cooling)

STD.



HITECO - 8,5kw (11.40 HP) in S1, **10kw** (13.40 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, B Axis angle $\pm 185^\circ$, C Axis angle $\pm 320^\circ$, B Axis rotation speed 16rpm, C Axis rotation speed 16rpm, Axis positioning accuracy 60arcsec, maximum lower level angle -10° , **liquid cooling system**

OPC405002

HITECO 11/12 kW Spindle Motor(Liquid Cooling)

3.950 €



HITECO - 11kw (14.75 HP) in S1, **12kw** (16 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, B Axis angle $\pm 185^\circ$, C Axis angle $\pm 320^\circ$, B Axis rotation speed 16rpm, C Axis rotation speed 16rpm, Axis positioning accuracy 60arcsec, maximum lower level angle -10° , **liquid cooling system**

OPC405003

HSD 11/13kW Spindle Motor(Liquid Cooling)

12.350 €



HSD - 11kw (14.75 HP) in S1, **13kw** (17.40 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, B Axis angle limitless, C Axis angle limitless, B Axis rotation speed 16rpm, C Axis rotation speed 16rpm, Axis positioning accuracy 60arcsec, maximum lower level angle -10° , **liquid cooling system**

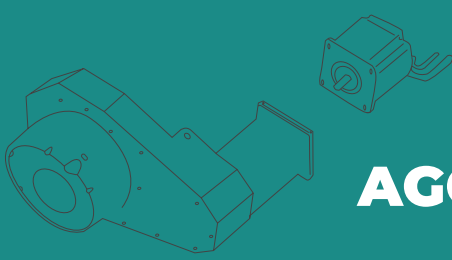
OPC405004

HSD 14,5/16kW Spindle Motor(Liquid Cooling)

17.625 €



HSD - 14,5kw (19.45 HP) in S1, **16kw** (21.45 HP) in S6 operation, maximum 24.000 rpm, HSK F63 connecton, B Axis angle limitless, C Axis angle limitless, B Axis rotation speed 16rpm, C Axis rotation speed 16rpm, Axis positioning accuracy 60arcsec, maximum lower level angle -10° , **liquid cooling system**



AGGREGATE OPTIONS

OPA0303

HSD Floating Aggregate (B6314B0022)

8.450 €

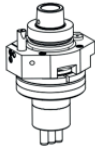


HSD Floating Aggregate: ER32 connection + 1 blade output, rotation speed 18.000rpm, HSK F63 connection, tool shaft diameter $\varnothing 2 \div \varnothing 20$ mm, weight 9,2kg

OPA0305

BENZ Cabineo Aggregate (727CMV0053U2935)

5.620 €



BENZ Cabineo Aggregate: 3 drill bit connection point, rotation speed 10.000rpm, HSK F63 connection, maximum cycle torque m2 3Nm, tool shaft diameter $\varnothing 2 \div \varnothing 20$ mm, weight 4kg

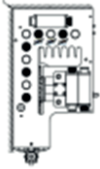


BORING UNIT OPTIONS

OPC405100

HSD 10 Vertical - 3x2 Horizontal - 1 Saw Blade Boring Unit

5.250 €

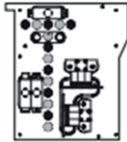


HSD - 10 Vertical spindles; 7 X Axis – 3 Y Axis direction, max. 6.000rpm for vertical drills, **3x2 horizontal spindles;** 2x2 X Axis, 1x1 Y axis direction, max. 4.740rpm for horizontal drills, **1 saw blade** – 120mm on X axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

OPC405101

HSD 14 Vertical - 3x2 Horizontal - 1 Saw Blade Boring Unit

7.350 €

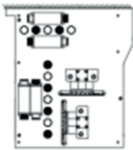


HSD - 14 Vertical spindles; 10 X Axis – 5 Y Axis direction, max. 6.000rpm for vertical drills, **3x2 horizontal spindles;** 2x2 X Axis, 1x1 Y axis direction, max. 4.740rpm for horizontal drills, **1 saw blade** – 120mm on X axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

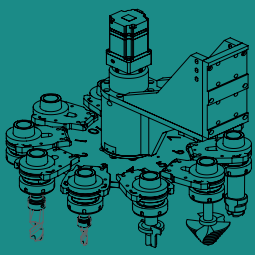
OPC405103

HSD 12 Vertical - 4x2 Horizontal - 2 Saw Blade Boring Unit

9.750 €



HSD - 12 Vertical spindles; 7 X Axis – 5 Y Axis direction, max. 6.000rpm for vertical drills, **4x2 horizontal spindles;** 2x2 X Axis, 2x2 Y axis direction, max. 4.740rpm for horizontal drills, **2 saw blade** – 120mm on X axis and Y axis direction, max. 7.500rpm for saw blade, tool connection Ø10, 32mm drill center distances, air cooling system

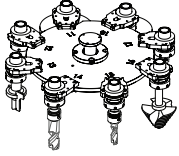


MAGAZINE UNIT OPTIONS

OPC405200

Rotary Tool Changer Unit(8 Tools Capacity)

4.990 €

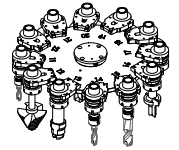


8 Tools Capacity, max. tool capacity 120mm(full equipment), max. tool capacity 165mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor

OPC405201

Rotary Tool Changer Unit (12 Tools Capacity)

6.565 €

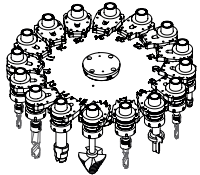


12 Tools Capacity, max. tool capacity 100mm(full equipment), max. tool capacity 125mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor

OPC405202

Rotary Tool Changer Unit (16 Tools Capacity)

8.875 €

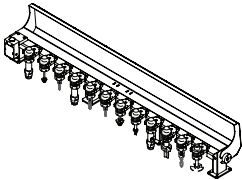


16 Tools Capacity, max. tool capacity 100mm(full equipment), max. tool capacity 125mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor

OPC405205

Linear Tool Changer Unit (10 Tool Capacity)

2.520 €

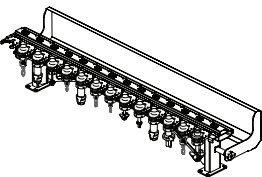


10 Tools Capacity, max. tool capacity 100mm(full equipment), max. tool capacity 125mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor

OPM405203

Linear Tool Changer Unit (14 Tool Capacity)

2.920 €

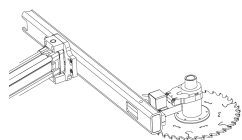


14 Tools Capacity, max. tool capacity 100mm(full equipment), max. tool capacity 125mm(in idle use), 150mm max. tool length, 7kg max. tool weight. Unit is located right side of the bridge, tool check sensor

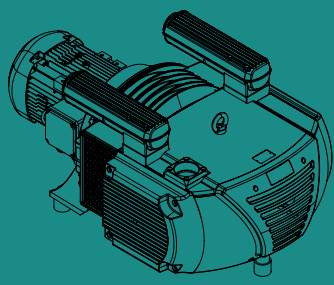
OPC405204

Saw Blade Magazine

3.050 €



Saw Blade Magazine, max. saw tool capacity 300mm, 12kg max. tool weight. Unit is located left side of the bridge



VACUUM SYSTEM OPTIONS

OPC405307

Eurovac 100m³/h Vacuum Pump

2.110 €



Dry type 100m³/h | 4.8 HP power, air cooling, max. vacuum 98m³/h at 100mbar – 50Hz /112m³/h at 200mbar – 60Hz

OPC405308

Eurovac 140m³/h Vacuum Pump

3.440 €



Dry type 140m³/h | 5.4 HP power, air cooling, max. vacuum 129m³/h at 100mbar – 50Hz /154m³/h at 200mbar – 60Hz

OPC405309

Eurovac 250m³/h Vacuum Pump

4.590 €



Dry type 250m³/h | 8.9 HP power, air cooling, max. vacuum 244m³/h at 100mbar – 50Hz /286m³/h at 200mbar – 60Hz

OPC405300

Becker 100m³/h Vacuum Pump

3.625 €



Dry type 100m³/h | 4.8 HP power, air cooling, max. vacuum 98m³/h at 100mbar – 50Hz /112m³/h at 200mbar – 60Hz

OPC405302

Becker 140m³/h Vacuum Pump

5.290 €



Dry type 140m³/h | 5.4 HP power, air cooling, max. vacuum 129m³/h at 100mbar – 50Hz /154m³/h at 200mbar – 60Hz

OPC405304

Becker 250m³/h Vacuum Pump

7.375 €



Dry type 250m³/h | 8.9 HP power, air cooling, max. vacuum 244m³/h at 100mbar – 50Hz /286m³/h at 200mbar – 60Hz

OPC405308

Becker 300m³/h Vacuum Pump(Claw Type)

9.930 €



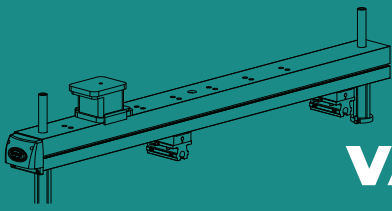
Dry type 300m³/h | 10 HP power, air cooling, max. vacuum 275m³/h at 150mbar – 50Hz / 325m³/h at 150mbar – 60Hz, heating prevention system, silent working capacity, **claw vane technology**

OPC405306

Additional Vacuum Pump Connection

475 €

This option present for prepare additional vacuum pump outlet, if you order additional vacuum pump this price is include the price of vacuum pump, if you order only outlet this cost has to add price



VACUUM SYSTEM OPTIONS

OPA0252

Vacuum Console - 85mm(Single Piston) - Without Lift

3.110 €



With this option you could add more consoles on your machine.

Dimension: 1300mm
Type: Single Circuit Connection
Piston Type: Single
Block Height: 85mm
Vacuum Bloc 140x115x85mm (2 PCS)
Vacuum Bloc 125x75x85mm (1 PC)

OPA0253

Vacuum Console - 85mm(Single Piston) - With Lift

3.425 €

With this option you could add more consoles on your machine.

Dimension: 1300mm
Type: Single Circuit Connection
Piston Type: Single
Block Height: 85mm
Piece lifting unit
Vacuum Bloc 140x115x85mm (2 PCS)
Vacuum Bloc 125x75x85mm (1 PC)

OPA0256

Vacuum Console - 85mm(Double Piston) - Without Lift

4.055 €

With this option you could add more consoles on your machine.

Dimension: 1300mm
Type: Single Circuit Connection
Piston Type: Double
Block Height: 85mm
Vacuum Bloc 140x115x85mm (2 PCS)
Vacuum Bloc 125x75x85mm (1 PC)

OPA0257

Vacuum Console - 85mm(Double Piston) - With Lift

4.370 €

With this option you could add more consoles on your machine.

Dimension: 1300mm
Type: Single Circuit Connection
Piston Type: Double
Block Height: 85mm
Piece lifting unit
Vacuum Bloc 140x115x85mm (2 PCS)
Vacuum Bloc 125x75x85mm (1 PC)

OPA0209

Vacuum Block 140x115x85mm

295 €



Dimension: 140x115 width
Height: 85mm
Weight: 0,792kg
Single circuit connection system

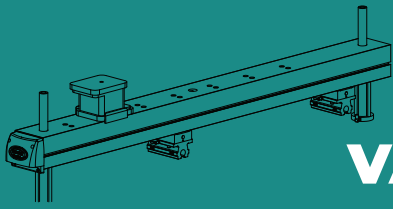
OPA0210

Vacuum Block 125x75x85mm

310 €



Dimension: 125x75 width
Height: 85mm
Weight: 0,722kg
Single circuit connection system m



VACUUM SYSTEM OPTIONS

OPA0265

Vacuum Clamp 170x135x85mm

955 €



Dimension: 170x135 width
Height: 85mm
Z Height: 9mm
Compression Range: 15-85mm
Single circuit pneumatic connection system

OPA0203

Vacuum Rubber 140x115x16mm

57 €

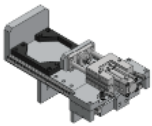


Dimension: 66x66 width
Height: 8,5mm
Weight: 0,8kg

OPA0216

Horizontal Vacuum Clamp - 180mm

2.890 €



Compression Range: 180mm
Height: 112mm
Pneumatic Connection System



HAND CONTROL/READER OPTIONS

OPC405005

Hand Wheel Unit

STD.

The hand wheel is used to control the machine axes outside the control panel in manual mode. Machine axes and working speeds can be controlled via hand wheel.

OPC405006

ISAC Hand Terminal Unit

1.420 €



The handheld terminal is used to control the machine axes outside the control panel in manual mode. Machine operating speeds and parameters can be controlled with the help of the terminal. In addition, with the help of a handheld terminal, general commands can be controlled with the help of tool change, vacuum zone control, dust collection and bellows systems.

OPC405007

Barcode Reader Option

1.420 €



1D Laser barcode reader, 433Mhz wifi Link connection, 0.1 Resolution, 0 ~ 250mm Reading Distance

OPC405005

Tool Cooling Unit Option

3.675 €

The tool cooling unit works with a liquid cooling system. The coolant added to the machine extends the machining quality and tool life by cooling the heated tool with the help of liquid during special material processing operations.

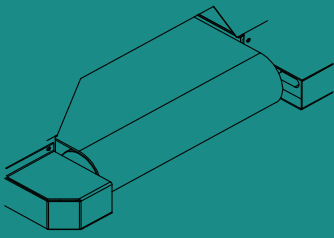
OPC405008

Manual Laser Pointer Option

620 €



TLaser pointer for exact positioning of vacuum blocs on vacuum console. Its read position from CAD/DATA and show exact position. Laser pointer located on spindle motor.

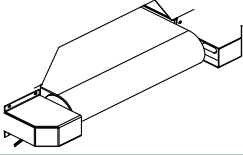


CONVEYOR UNIT OPTIONS

OPC405600

Conveyor Unit - 2500mm

3.675 €



The conveyor unit is located inside the machine body and carries dust, chips and small parts composed of during processing to the waste bin outside the work area. The system provides a cleaner workspace.

OPC405601

Conveyor Unit - 3200mm

4.000 €

The conveyor unit is located inside the machine body and carries dust, chips and small parts composed of during processing to the waste bin outside the work area. The system provides a cleaner workspace.

OPC405602

Conveyor Unit - 4500mm

4.620 €

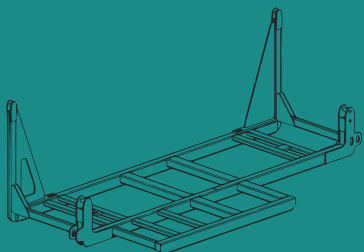
The conveyor unit is located inside the machine body and carries dust, chips and small parts composed of during processing to the waste bin outside the work area. The system provides a cleaner workspace.

OPC405603

Conveyor Unit - 6000mm

5.230 €

The conveyor unit is located inside the machine body and carries dust, chips and small parts composed of during processing to the waste bin outside the work area. The system provides a cleaner workspace.



WARRANTY & PACKAGING OPTIONS

OPA0604	Warranty Option +1 Year This option is extends warranty period +1 year.	+%5
OPA0012	Installation, Training and Comissioning Installation, Training and Comissioning of the machine is carried out by AES Group authorized personnel or by third parties authorized by AES Group. Installation is provided by expert technicians, including all necessary steps.	500 €/D
OPC405900	Vega Pro 5X 1325 – Seaway Packaging The unit is the transport platform required for loading the machine into the container.	650 €
OPC405901	Vega Pro 5X 1332– Seaway Packaging The unit is the transport platform required for loading the machine into the container.	650 €
OPC405902	Vega Pro 5X 1345 – Seaway Packaging The unit is the transport platform required for loading the machine into the container.	650 €
OPC405903	Vega Pro 5X 1360 – Seaway Packaging The unit is the transport platform required for loading the machine into the container.	650 €
OPC405920	Vega Pro 5X 1325 – Truck Packaging The unit is the transport platform required for loading the machine into the truck.	650 €
OPC405921	Vega Pro 5X 1332 – Truck Packaging The unit is the transport platform required for loading the machine into the truck.	650 €
OPC405922	Vega Pro 5X 1345 – Truck Packaging The unit is the transport platform required for loading the machine into the truck.	650 €
OPC405923	Vega Pro 5X 1360 – Truck Packaging The unit is the transport platform required for loading the machine into the truck.	650 €



SOFTWARE OPTIONS

OPA0077	Alphacam Core - One Post CAD / CAM Program	2.035 €
OPA0088	Alphacam Core - Multi Post CAD / CAM Program	2.850 €
<p>ALPHACAM Core is the foundation for your manufacturing needs, offering a wide range of essential functionality for part programming. Core includes the ability for CAD importing, toolpath generation, simulation, report generation, and more. Start with ALPHACAM Core for your essential requirements, and add multipliers to build the CAM solution that meets the unique needs of your business.</p>		
OPA0078	Alphacam Core xNesting Module - One Post	1.025 €
OPA0088	Alphacam Core xNesting Module - Multi Post	1.425 €
<p>Nested manufacturing is made easy using ALPHACAM's xNesting multiplier. Parts can be selected directly from the screen or as a kit; their orientation fixed, if grain direction needs to be maintained or rotated to any angle. Nesting supports tool lead in/out, support tags for small parts, avoiding loss of table vacuum and multiple depth cuts, if an onion skin is required.</p>		
OPA0079	Alphacam Core xPositional Module - One Post	1.525 €
OPA0089	Alphacam Core xPositional Module - Multi Post	2.135 €
<p>For manufacturers that have 4/5-axis machinery but don't need the complexity of simultaneous motion toolpaths, the xPositional multiplier is the perfect solutions. By unlocking an additional axis, you will be able to program your machine to cut from any angle.</p>		
OPA0080	Alphacam Core xSimultaneous Module - One Post	3.050 €
OPA0090	Alphacam Core xSimultaneous Module - Multi Post	3.100 €
<p>Head mounted rotary axes on CNC routers can be programmed at any orientation. Aggregates with a programmable rotary axis and manual tilt are fully supported, as well as fully interpolating 5-axis heads. Safe rapid moves between planes are automatically controlled and verified using advanced solid simulation.</p>		
OPA0081	Alphacam Core xSolids Module - One Post	1.025 €
OPA0091	Alphacam Core xSolids Module - Multi Post	1.425 €
<p>If you are working with solid models, xSolids provides the tools you need to import, prepare, and process your files for manufacture. xSolids handles nearly all types of solid models and assemblies, and gives you the ability to automatically recognize features, extract geometries, and apply toolpaths.</p>		
OPA0082	Alphacam Core xAutomation Module - One Post	1.025 €
OPA0092	Alphacam Core xAutomation Module - Multi Post	1.425 €
<p>With xAutomation, 2D and 3D CAD files, along with solid models from third party software, can be batch processed - from file preparation right through to applying toolpaths with NC code being generated automatically. In addition, the files create a full report structure, along with labels and bar coding. Using xAutomation can save an end user days and weeks, potentially even months of programming time in a year.</p>		



SOFTWARE OPTIONS

OPA0083 Alphacam Core xFixtures Module - One Post **510 €**

OPA0093 Alphacam Core xFixtures Module - Multi Post **715 €**

If you need to control the placement, position, and movement of your machinery's fixtures and clamps within your CAM system, xFixtures is the multiplier for you. Add fixtures to your drawings with drag and drop ease, utilize robust simulation to visualize the placement and motion of your fixtures and materials, or take advantage of features for automatic pod and rail positioning. xFixtures puts you in control.

OPA0084 Alphacam Core xConstraints Module - One Post **1.025 €**

OPA0094 Alphacam Core xConstraints Module - Multi Post **1.425 €**

Parametric part programming can save you hours of time and eliminate errors by creating rules for how certain part attributes are affected when other attributes change. xConstraints gives you the full set of tools and commands to take full advantage of constraints, allowing you to program smart parts with ease.

OPA0085 Alphacam Core xAPI Module - One Post **510 €**

OPA0095 Alphacam Core xAPI Module - Multi Post **715 €**

ALPHACAM's xAPI multiplier allows you to tap into our powerful CAM engine utilising standard programming languages to extend and customise the way the software functions. Whether you are looking to create applications that streamline your manufacturing operations, or developing unique programs for custom manufacturing applications, xAPI allows you to take full advantage of the power of ALPHA-CAM.

OPA0086 Alphacam Core xRobotics Module - One Post **1.025 €**

OPA0096 Alphacam Core xRobotics Module - Multi Post **1.425 €**

If you are working with solid models, xSolids provides the tools you need to import, prepare, and process your files for manufacture. xSolids handles nearly all types of solid models and assemblies, and gives you the ability to automatically recognize features, extract geometries, and apply toolpaths.

OPA0019 Alphacam Network License Module **%25**

This module use for Alphacam license more than single machine at the same time. To use license actively the PC that Alphacam dongle activated and 2nd PC has to work in same network

OPA0028 Alphacam Aspire Program **4.790 €**

Alphacam Aspire is a special program which is developed for three dimensional carving. It converts all types of 2D design into 3D designs and it enables machining by converting the photos into 3D dimensions.



SOFTWARE OPTIONS

OPA0009

Alphacam Cabinet Door Manufacturing(CDM)

4.990 €

Alphacam Cabinet Door Manufacturing (CDM) is an innovative panel door program for Alphacam. It enables door manufacturers to take full advantage of Alphacam, the comprehensive and fully-featured CAD/CAM system for use with Microsoft Windows platforms.CDM also has an order-entry facility which provides information for built in, fully-customizable bar coding and part-labeling functions

*This option requires OPA077 – Alphacam Core – One Post or upper level program, if necessary xPositional or another modules has to be added.

OPA0074

Alphacam Labelling Package

2.200 €

Package is the subpackage of the Alphacam program used to print labels. Labeling program allows the CNC operator to produce labels for parts on the program and print them with the help of a screen and printer. This program offers an ideal solution for nesting-based production.Package is a sub-package of the Alphacam used to generate cutting data for CNC Routers, CNC Machining Centers and CNC Drilling Machines.

*This option requires OPA077 – Alphacam Core – One Post or upper level program.

OPA0015

AES Window Macro Door Program

1.980 €

AES Window program is a parametric macro door program which is working integrated with Alphacam software. Ready macro designs inside of the program processing directly after change dimensions.

*This option requires OPA077 – Alphacam Core – One Post + OPA079 - xPositional modules or upper level programs.

OPA0016

AES Door Macro Program

1.980 €

AES Door program is a parametric macro cabinet door program which is working integrated with Alphacam software. Ready macro designs inside of the program processing directly after change dimensions.

*This option requires OPA077 – Alphacam Core – One Post + OPA079 - xPositional modules or upper level programs.



SOFTWARE OPTIONS

OPA0017	AES Drill Macro Program	1.980 €								
	<p>AES Drill program is a parametric macro drilling program which is working integrated with Alphacam software. It can create drilling applications from ready macros within program.</p> <p>*This option requires OPA0003 – Alphacam Essential 2D – One Post or upper level program.</p>									
OPA0020	AES Post Processor (2 Axis)	1.750 €								
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine.</p> <p>If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>									
OPA0029	AES Post Processor (3 Axis)	2.850 €								
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine.</p> <p>If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>									
OPA0030	AES Post Processor (5 Axis)	8.350 €								
	<p>This option is use for if customer already has an Alphacam/CV license and would like to use this license with AES machines. Cost of post processor only for single machine.</p> <p>If program would like to buy seperately, Alphacam program cost include the machine price reduced and this cost added.</p>									
OPA0025	Cabinet Vision Labelling Package(CNC Routers)	8.535 €								
	<table><tr><td>Cabinet Vision Core Cabinets</td><td>3.060 €</td></tr><tr><td>Cabinet Vision Core Cabinet xMachining Module (S2M Center)</td><td>2.470 €</td></tr><tr><td>Cabinet Vision Core Cabinet xMachining Module Labelling Package</td><td>1.770 €</td></tr><tr><td>Cabinet Vision Core Cabinet xMachining Module CNC Router Package</td><td>1.235 €</td></tr></table>	Cabinet Vision Core Cabinets	3.060 €	Cabinet Vision Core Cabinet xMachining Module (S2M Center)	2.470 €	Cabinet Vision Core Cabinet xMachining Module Labelling Package	1.770 €	Cabinet Vision Core Cabinet xMachining Module CNC Router Package	1.235 €	
Cabinet Vision Core Cabinets	3.060 €									
Cabinet Vision Core Cabinet xMachining Module (S2M Center)	2.470 €									
Cabinet Vision Core Cabinet xMachining Module Labelling Package	1.770 €									
Cabinet Vision Core Cabinet xMachining Module CNC Router Package	1.235 €									
OPA0036	CV Core Cabinets	3.060 €								
	<p>Cabinet Vision Core Cabinets is a design and production software that allows you to design your kitchen cabinet or cabinet modules in detail. Core Cabinets automatically creates project drawings, 3D renderings, material requirements, cut lists and forecast data. Sketch your project graphically, complete your drawings and quickly analyze your costs. Prepare or change your designs in a short time thanks to its parametric structure. Save your designs in your library.</p>									
OPA0037	CV Core Closets	2.530 €								
	<p>CaCabinet Vision Core Closets is a design and production software that allows you to design your kitchen cabinet or cabinet modules in detail. Core Closets automatically creates project drawings, 3D renderings, material requirements, cut lists and forecast data. Sketch your project graphically, complete your drawings and quickly analyze your costs. Prepare or change your designs in a short time thanks to its parametric structure. Save your designs in your library. structure. Save your designs in your library.</p>									



SOFTWARE OPTIONS

OPA0038

CV Core xCAD Module

1.765 €

Cabinet Vision x2D CAD module is a module used for 2D CAD submission and shop drawings for architectural solutions. The x2D CAD module has a streamlined structure to send annotated drawings to architects or related subcontractors for design purposes. x2D CAD offers additional tools and services that can automatically receive updates from the live drawing.

OPA0039

CV Core xCAD Module Plugs in Package

530 €

Cabinet Vision Core Closets is a design and production software that The plug-ins package is a customized software package for commercial manufacturers to more easily solve delivery drawing difficulties. With this plug-in, more detailed optimizations can be performed with less data entry. It also allows you to make smart object and assembly optimization in cabinet production without the need for advanced settings via Cabinet Vision. The plug-in works as an add-on package for the x2D CAD module. It works together with this module.

OPA0040

CV Core xBidding Module

1.235 €

Cabinet Vision xBidding Module allows you to make detailed offer analysis at costing and bidding stages. With the help of the module, project costing is done in the most accurate way, and full control over costs is achieved with profitability analysis. A full cost analysis can be made with labor, material and additional expense definitions. It works with automatic corrections instead of getting costs from scratch in project changes with smart pricing methods. The module is offered as an advanced and customized version of the standard bidding feature in the Core package.

OPA0041

CV Core xBidding Module Catalog Editor Package

530 €

The plug-in allows CV users to create their own custom modular catalog. Predefined settings can be transferred in the modular catalog. It allows the creation of a distributable catalog by transferring details such as materials, plans, cabinets and drawers, profiles, connection methods and part pricing in the catalog. It protects your design data by preventing the created catalog from being changed and copied after distribution. This package works as a plug-in to the bidding module.

OPA0042

CV Core xBench Module

1.235 €

With the help of the module, bench production can also be carried out as an uninterrupted production integrated with cabinet and kitchen production. The module works fully integrated with the CV Core structure, allowing you to create projects in full compliance with the connection structure used in cabinets and drawers. The machine module calculates the cut lists for the machines, automatically updates the settings required to transfer design changes to production, and makes it easy to apply pull bolt, alignment holes and other operations on the machine. Provides general control over the cost of all structures.



SOFTWARE OPTIONS

OPA0043

CV Core xCRM Module

1.235 €

It is a customer relations module where xCRM Cabinet Vision can manage customer, dealer and supplier relations. The module allows easy management of projects according to customers by creating customer lists. The module creates a central management system by matching the project with the customer. It has an easy-to-use and understandable interface for timely and complete delivery of projects.

OPA0044

CV Core xOptimization Module

705 €

The xOptimization module allows you to make optimum use of material by automatically optimizing panel sizing machines. The system also allows manual cutting optimization. CV integration and saw attachment allow cutting lists to be sent directly to the panel sizing machine as a work list. The module plotter can also be sent manually to the lying circle.

OPA0045

CV Core xRender Module

705 €

The xRender module is an additional module of the CV Core system used to prepare high-level presentations for customers by preparing realistic renderings. Thanks to the latest technology, it allows you to prepare renders that you can present to your customers within minutes. With realistic renderings, the finished project can be viewed in the most accurate way.

OPA0046

CV Core xRender Module Tour Package

530 €

With this feature, which is an additional package of the CV Core + Render module, the real-time rendered project can be navigated to make a presentation to the customer. Project details can be shown to the client as real-time rendering.

OPA0047

CV Core xReporting Module

1.770 €

xReporting section allows you to get detailed reports for your projects with more than 150 ready-made reporting systems and customizable reporting editor. Thanks to the module, it can get reports on different parameters with a single click. Working integrated with Cabinet Vision, the module automatically tracks updates and allows instant reporting.

OPA0048

CV Core xShaping Module

1.770 €

xShaping module is used to design special shaped cuts such as corner cuts, notch trimming, finger notch etc. Not all parts in designs include straight cuts, in some cases it requires angled cuts to have irregular shapes in the design. The module allows to easily design these shapes parametrically. The module also provides easy access to the CAM editor to add workpieces such as plumbing holes etc.



SOFTWARE OPTIONS

OPA0049	CV Core xMachining(S2M) Module	2.470 €
	<p>xMachining module is a CAM module that allows designs to be converted into G codes and prepared for machining. It enables integrated production by sending a single design to different types of machines. It is a very advanced and flexible software that can prepare cutting data in a wide range of frames such as Module CNC Machining Center, CNC Router, CNC Drilling Machine, edge banding machine, beam saw machines, plotter and manual drilling machine. The module brings advanced features such as custom tool path assignment, tool path optimization.</p>	
OPA0050	CV Core xMachining(S2M) Module 3rd Party CAD Package	1.235 €
	<p>The package is an additional package of the xMachining module that enables cutting lists from 3rd party CAD software and DXF files. It is used in cases where data transfer from a different program is required in designs.</p>	
OPA0051	CV Core xMachining(S2M) Module 3rd Party CAM Package	1.235 €
	<p>The package is an additional package of the xMachining module that allows to output the cut list as DXF file for use in 3rd party CAM software. It is used in cases where data transfer to different programs is required in designs.</p>	
OPA0052	CV Core xMachining(S2M) Module Sliding Table Package	1.235 €
	<p>Package is an additional package of the xMachining module used to create cutting lists for sliding table and other types of machines used for manual cutting.</p>	
OPA0053	CV Core xMachining(S2M) Module Drill and Dowel Package	3.530 €
	<p>Package is an additional package of the xMachining module for creating cut lists on manual drilling machine and dowel machines.</p>	
OPA0054	CV Core xMachining(S2M) Module Labelling Package	1.770 €
	<p>Package is the subpackage of the xMachining module used to print labels. Label IT technology allows the CNC operator to produce labels for parts on the program and print them with the help of a screen and printer. This program offers an ideal solution for nesting-based production.</p>	
OPA0055	CV Core xMachining(S2M) Module Material Handling Package	3.530 €
	<p>xPackage is a sub-package that provides the data flow required for the xMachining module to work integrated with automatic storage systems. It provides integration in the processing of the material from the storage system.</p>	
OPA0056	CV Core xMachining(S2M) Module PTP and Boring Mac.Pack.	1.235 €
	<p>xMachining module is a CAM module that allows designs to be Package is a sub-package of the xMachining module used to generate cutting data for Point to Point(Console Table) machines and Boring machines.</p>	



SOFTWARE OPTIONS

OPA0057

CV Core xMachining(S2M) Module CNC Router Package

1.235 €

Package is a sub-package of the xMachining module used to generate cutting data for CNC Routers.

OPA0058

CV Core xMachining(S2M) Module Beam Saw Package

1.235 €

Package is a sub-package of the xMachining module used to generate cutting data for Peam Saw machines.

OPA0059

CV Core xMachining(S2M) Module Parts List Export Package

1.235 €

Package is a subpackage for the xMachining module to output as a cut file, custom cut file or PNL.

OPA0060

CV Core xMachining(S2M) Module Simulation Package

705 €

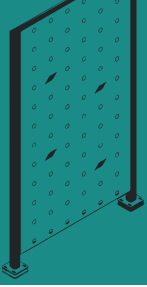
Package is a sub module of the xMachining module that shows the cutting simulation of the parts to be cut. With the simulation feature, you can see the errors and minimize the time and material losses.

OPA0061

CV Core xMachining(S2M) Module Special Machine Package

1.235 €

Package is a sub-package of the xMachining module used to generate cutting data for special machines. es.



SAFETY SYSTEM OPTIONS

OPA0100	Safety Mats (4 Pcs)	3.460 €
	1x1,5mt dimensions(4 Pcs) , adoptable maximum power 60 kg/cm ² , IP65 Protection degree, 10mm maximum thickness	
OPA0101	Safety Mats (5 Pcs)	4.325 €
	1x1,5mt dimensions(5 Pcs) , adoptable maximum power 60 kg/cm ² , IP65 Protection degree, 10mm maximum thickness	
OPA0103	Safety Mats (6 Pcs)	5.190 €
	1x1,5mt dimensions(6 Pcs) , adoptable maximum power 60 kg/cm ² , IP65 Protection degree, 10mm maximum thickness	
OPA0102	Safety Lights (Set)	1.950 €
	Safety lights set ; absorbing 0.4 mA maximum, activation time >30ms, protection degree IP65	
OPA0104	Safety Fence	155 €
	Safety Fence - 1000x1750mm dimensions per piece, thickness 4mm	
OPA0106	Bumper System	4.100 €
	The system provides maximum operator safety by preventing unauthorized access to the machine work area. The unit is used instead of light barrier or safety mats to gain working space. With this option, machine operating speeds are reduced to 25m / min according to CE regulations. When used with the light barrier or safety mat options, the machine can be operated at its original speed, instead of its current speed of 25m / min.	
OPA0108	Safety Area Scanner System	6.200 €
	The system provides maximum operator safety by preventing unauthorized access to the machine work area. The system protects the area by area scanner laser device.	



OTHER ACCESSORIES

OPA0500	30kva UPS Unit	4.640 €
	30kva UPS power , auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m	
OPA0501	40kva UPS Unit	5.870 €
	40kva UPS power , auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m	
OPA0502	60kva UPS Unit	11.260 €
	60kva UPS power , auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m	
OPA0503	80kva UPS Unit	13.230 €
	80kva UPS power , auto soft start, short circuit and overload protection - %125 load 10min., %150 load 1m	
OPA0521	30kva Regulator Unit	1.385 €
	30kva servo regulator , output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC	
OPA0522	45kva Regulator Unit	1.850 €
	45kva servo regulator , output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC	
OPA0523	60kva Regulator Unit	2.470 €
	60kva servo regulator , output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC	
OPA0526	80kva Regulator Unit	3.280 €
	80kva servo regulator , output voltage tolerance < %1,5, regulation of speed ratio 90v/sec., input voltage pitch, 275/450VAC 3F+N, 242/415 VAC, 208/415VAC	



OTHER ACCESSORIES

OPA0508	30kva Transformer (380-220VAC)	655 €
	30kva transformer, 220/60HZ/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0509	30kva Transformer (380-400/415VAC)	680 €
	30kva transformer, 415/400/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type.	
OPA0510	30kva Multitap Transformer (Multitap)	2.570 €
	30kva multitap transformer, N-208-230-480VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0511	40kva Transformer (380-220VAC)	710 €
	40kva transformer, 220/60HZ/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0512	40kva Transformer (380-400/415VAC)	710 €
	40kva transformer, 415/400/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0513	40kva Multitap Transformer (Multitap)	2.785 €
	40kva multitap transformer, N-208-230-480VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0514	50kva Transformer (380-220VAC)	790 €
	50kva transformer, 220/60HZ/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0515	50kva Transformer (380-400/415VAC)	815 €
	50kva transformer, 415/400/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0516	50kva Multitap Transformer (Multitap)	3.010 €
	50kva multitap transformer, N-208-230-480VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0517	60kva Transformer (380-220VAC)	920 €
	60kva transformer, 220/60HZ/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0518	60kva Transformer (380-400/415VAC)	970 €
	60kva transformer, 415/400/380VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	
OPA0519	60kva Multitap Transformer (380-400/415VAC)	3.675 €
	60kva multitap transformer, N-208-230-480VAC , 50/60 HZ, 3PH, DRY, TTY, IP00, Auto-Open Type	



OTHER ACCESSORIES

OPA0503

Air Compressor + Dryer (500m³/h)

3.255 €

500m³/h air compressor with dryer, 5,5kW | 7.5 HP motor power.



OPA0504

Chiller Unit for Liquid Cooling

3.250 €

This unit has been used for cooling Spindle motor and Boring unit which has liquid cooling options.

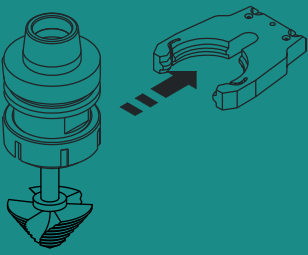


OPC405800

Electrical Panel Cooling Unit

2.060 €

Electric Panel cooling unit is used to balance the temperature in the machine electrical panel. With the help of the unit, the temperature inside the panel is kept stable and the machine works longer and more efficiently. The unit works with a capacity of 850W



TOOL KITS & COLLETS & HOLDERS

OPA0702

Furninute Applications Starter Kit(Leitz)

1.159 €

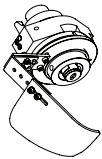


33440	Half Drill Bit ; Ø5 ; Length 70 ; Left Rotation	2 pcs	32 €
33441	Half Drill Bit ; Ø5 ; Length 70 ; Left Rotation	2 pcs	32 €
33446	Half Drill Bit ; Ø8 ; Length 70 ; Left Rotation	1 pcs	17 €
33447	Half Drill Bit ; Ø8 ; Length 70 ; Right Rotation	1 pcs	17 €
33448	Half Drill Bit ; Ø10 ; Length 70 ; Left Rotation	1 pcs	19 €
33449	Half Drill Bit ; Ø10 ; Length 70 ; Right Rotation	1 pcs	19 €
34074	Sharp Drill Bit ; Ø5 ; Length 70 ; Left Rotation	1 pcs	25 €
34075	Sharp Drill Bit ; Ø5 ; Length 70 ; Right Rotation	1 pcs	25 €
34076	Sharp Drill Bit ; Ø8 ; Length 70 ; Left Rotation	1 pcs	30 €
34077	Sharp Drill Bit ; Ø8 ; Length 70 ; Right Rotation	1 pcs	30 €
34663	Half Drill Bit ; Ø15 ; Length 70 ; Left Rotation	1 pcs	50 €
34664	Half Drill Bit ; Ø15 ; Length 70 ; Right Rotation	1 pcs	50 €
34814	Half Drill Bit ; Ø20 ; Length 70 ; Left Rotation	1 pcs	75 €
34815	Half Drill Bit ; Ø20 ; Length 70 ; Right Rotation	1 pcs	75 €
34816	Half Drill Bit ; Ø25 ; Length 70 ; Left Rotation	1 pcs	90 €
34817	Half Drill Bit ; Ø25 ; Length 70 ; Right Rotation	1 pcs	90 €
34671	Half Drill Bit ; Ø35 ; Length 70 ; Left Rotation	1 pcs	60 €
34672	Half Drill Bit ; Ø35 ; Length 70 ; Right Rotation	1 pcs	60 €
41961	HM Router ; Ø9 ; Length 70 ; Cut. Length 18 ; Z2 ; For	1 pcs	98 €
91265	Backboard DIA Router ; Ø12; Length 70 ; Cut. Length 22 ; For Sizing	1 pcs	265 €

OPA0707

Chipguard Unit

1.250 €



Chip guard unit use on routing applications and provide better dust collecting.

OPA0705

5 Axis Saw Blade Kit(Leitz)

1.564 €

161260	HM:280x32.x30 ; Z85 ; WZ/WZ/FA	1 pcs	315 €
58204	HM:300x3.2x30 ; Z60 ; WZ	1 pcs	231 €
39239	Saw Blade Tool Holder Package; Flange-HSK Adaptor-Screw	1 pcs	1.018 €

OPA0704

Door Applications Kit(Leitz)

1.932 €

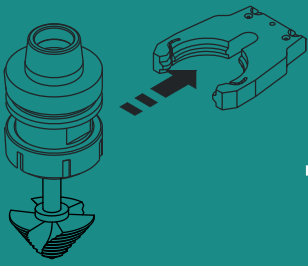
Special	HM Helical Router ; Ø16; Length 205 ; Cutting Length 135 ; For Door; Lock Case LR	1 pcs	650 €
240105	HM Helical Router ; Ø16; Length 170 ; Cutting Length 75 ; For Door; Lock Case	1 pcs	400 €
39239	Razor Router ; Ø50; Length 125 ; Cutting Length 50 ; Z1+1	1 pcs	500 €
42278	HM Helical Router ; Ø10; Length 70 ; Cutting Length 25; For Door Hinge Case; Z2, RR	1 pcs	262 €
37441	Collet 10x40 ; ER32	1 pcs	60 €
37445	Collet 16x40 ; ER32	1 pcs	60 €

OPA0706

Tools Holders / Collets Kit



WF224	HSK F63 ER40 Tool Holder	1 pcs	79,00 €
99942D	ER40 Series / ø10mm Collet	1 pcs	12,60 €
99944F	ER40 Series / ø12mm Collet	1 pcs	12,60 €
99946H	ER40 Series / ø14mm Collet	1 pcs	12,60 €
99948M	ER40 Series / ø16mm Collet	1 pcs	12,60 €
99950P	ER40 Series / ø18mm Collet	1 pcs	12,60 €
99952R	ER40 Series / ø20mm Collet	1 pcs	12,60 €



TOOL KITS & COLLETS & HOLDERS

OPA0504

Furniture Applications Basic Kit(AES by ITA Tools)

671 €

WN1.050.035.070.00R	Half Drill Bit; Ø5;	Length 70;	Right Rotation	2 pcs	16 €
WN1.050.035.070.00L	Half Drill Bit; Ø5;	Length 70;	Left Rotation	2 pcs	16 €
WN1.080.035.070.00R	Half Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	9 €
WN1.080.035.070.00L	Half Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	9 €
WN1.100.035.070.00R	Half Drill Bit; Ø10;	Length 70;	Right Rotation	1 pcs	10 €
WN1.100.035.070.00L	Half Drill Bit; Ø10;	Length 70;	Left Rotation	1 pcs	10 €
WP1.050.035.070.00R	Sharp Drill Bit; Ø5;	Length 70;	Right Rotation	1 pcs	12 €
WP1.050.035.070.00L	Sharp Drill Bit; Ø5;	Length 70;	Left Rotation	1 pcs	12 €
WP1.080.035.070.00R	Sharp Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	15 €
WP1.080.035.070.00L	Sharp Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	15 €
WN2.080.027.057.00R	Half Drill Bit; Ø8;	Length 57;	Right Rotation	1 pcs	16 €
WN2.080.027.057.00L	Half Drill Bit; Ø8;	Length 57;	Left Rotation	1 pcs	16 €
WZ1.150.070.02R	Half Drill Bit; Ø15;	Length 70;	Right Rotation	1 pcs	25 €
WZ1.150.070.02L	Half Drill Bit; Ø15;	Length 70;	Left Rotation	1 pcs	25 €
WZ1.200.070.02R	Half Drill Bit; Ø20;	Length 70;	Right Rotation	1 pcs	35 €
WZ1.200.070.02L	Half Drill Bit; Ø20;	Length 70;	Left Rotation	1 pcs	35 €
WZ1.250.070.02R	Half Drill Bit; Ø25;	Length 70;	Right Rotation	1 pcs	45 €
WZ1.250.070.02L	Half Drill Bit; Ø25;	Length 70;	Left Rotation	1 pcs	45 €
WZ1.350.070.02R	Half Drill Bit; Ø35;	Length 70;	Right Rotation	1 pcs	30 €
WZ1.350.070.02L	Half Drill Bit; Ø35;	Length 70;	Left Rotation	1 pcs	30 €
912.09.018.070.10R	HM Router; Ø9;	Length 70;	Cut. Length 18; Z2; For Backboard	1 pcs	65 €
DTA.12.025.12.0SSRA	HM Router; Ø12;	Length 70;	Cut. Length 22; For Sizing ; Z1+1	1 pcs	85 €
PDA.120035030.002	Saw Blade for CNC	HM:120x4x35; WZ/FZ; Z35		1 pcs	95 €

OPA0504

Furniture Applications Advanced Kit(AES by ITA Tools)

751 €

WN1.050.035.070.00R	Half Drill Bit; Ø5;	Length 70;	Right Rotation	2 pcs	16 €
WN1.050.035.070.00L	Half Drill Bit; Ø5 ;	Length 70;	Left Rotation	2 pcs	16 €
WN1.080.035.070.00R	Half Drill Bit; Ø8 ;	Length 70;	Right Rotation	1 pcs	9 €
WN1.080.035.070.00L	Half Drill Bit; Ø8 ;	Length 70;	Left Rotation	1 pcs	9 €
WN1.100.035.070.00R	Half Drill Bit; Ø10;	Length 70;	Right Rotation	1 pcs	10 €
WN1.100.035.070.00L	Half Drill Bit; Ø10;	Length 70;	Left Rotation	1 pcs	10 €
WP1.050.035.070.00R	Sharp Drill Bit; Ø5;	Length 70;	Right Rotation	1 pcs	12 €
WP1.050.035.070.00L	Sharp Drill Bit; Ø5;	Length 70;	Left Rotation	1 pcs	12 €
WP1.080.035.070.00R	Sharp Drill Bit; Ø8;	Length 70;	Right Rotation	1 pcs	15 €
WP1.080.035.070.00L	Sharp Drill Bit; Ø8;	Length 70;	Left Rotation	1 pcs	15 €
WN2.080.027.057.00R	Half Drill Bit; Ø8;	Length 57;	Right Rotation	1 pcs	16 €
WN2.080.027.057.00L	Half Drill Bit; Ø8;	Length 57;	Left Rotation	1 pcs	16 €
WZ1.150.070.02R	Half Drill Bit; Ø15;	Length 70;	Right Rotation	1 pcs	25 €
WZ1.150.070.02L	Half Drill Bit; Ø15;	Length 70;	Left Rotation	1 pcs	25 €
WZ1.200.070.02R	Half Drill Bit; Ø20;	Length 70;	Right Rotation	1 pcs	35 €
WZ1.200.070.02L	Half Drill Bit; Ø20;	Length 70;	Left Rotation	1 pcs	35 €
WZ1.250.070.02R	Half Drill Bit; Ø25;	Length 70;	Right Rotation	1 pcs	45 €
WZ1.250.070.02L	Half Drill Bit; Ø25;	Length 70;	Left Rotation	1 pcs	45 €
WZ1.350.070.02R	Half Drill Bit; Ø35;	Length 70;	Right Rotation	1 pcs	30 €
WZ1.350.070.02L	Half Drill Bit; Ø35;	Length 70;	Left Rotation	1 pcs	30 €
912.09.018.070.10R	HM Router; Ø9;	Length 70;	Cut. Length 18; Z2; For Backboard	1 pcs	65 €
DTA.12.025.12.0SSRA	DIA Router; Ø12;	Length 70;	Cut. Length 22; For Sizing; Z1+1	1 pcs	165 €
PDA.120035030.002	Saw Blade for CNC	HM:120x4x35; WZ/FZ; Z35		1 pcs	95 €